AMENDMENTS TO THE CLAIMS

81. (original) A method for comparing a first location and a second location, the method comprising,

generating a first binary representation from geographic information based on the first location,

generating a second binary representation from geographic information based on the second location,

associating an uncertainty with at least one of the first binary representation and the second binary representation,

bitwise comparing the first binary representation and the second binary representation, and,

associating an uncertainty with the bitwise comparison.

82. (original) A method according to claim 81, wherein an uncertainty associated with the first binary representation is based on the geographic information based on the first location.

83. (original) A method according to claim 81, wherein an uncertainty associated with the second binary representation is based on the geographic information based on the second location.

84. (original) A method according to claim 81, where the uncertainty associated with the bitwise comparison is based on the uncertainty associated with at least one of the first binary representation and the second binary representation.

85. (original) A method according to claim 81, further including:

associating the bits of the bitwise comparison to derive a distance measure.

86. (original) A method according to claim 81, further including,
encrypting at least one of the first binary representation and the second binary representation,
and wherein performing a bitwise comparison further includes performing a bitwise comparison of at least one of the encrypted first binary representation and the encrypted second binary representation.

87. (original) A method according to claim 81, further including,
receiving a criteria, and
comparing the bitwise comparison to the criteria.

88. (original) A method according to claim 81, further including,
receiving a criteria, and
comparing the distance measure to the criteria.

89. (original) A method according to claim 81, further including,
receiving a probability threshold, and,
comparing the bitwise comparison to the probability threshold.

90. (original) A method according to claim 89, where the probability threshold is at least one of a constant probability threshold and a variable probability threshold.

91. (original) A method according to claim 81, wherein performing a bitwise comparison includes computing an exclusive OR operation.

92. (original) A method according to claim 81, wherein generating a first binary representation includes generating a first binary code based on at least one of latitude, longitude, direction, parcel, ward, street address, town, city, zip code, telephone number, area code, destination, and directional information.

93. (original) A method according to claim 81, wherein generating a second binary representation includes generating a second binary code based on at least one of latitude, longitude, direction, parcel, ward, street address, town, city, zip code, telephone number, area code, destination, and directional information.

94. (original) A method according to claim 86, wherein encrypting at least one of first binary representation and the second binary representation includes altering the precision of at least one of the first binary representation and the second binary representation.

95. (original) A method according to claim 81, where the first uncertainty is based on the accuracy of the first geographic information.

96. (original) A method according to claim 81, where the second uncertainty is based on the accuracy of the second geographic information.

97. (original) A method according to claim 81, where at least one of the first binary representation and the second binary representation include a token.

98. (original) A method according to claim 97, further comprising providing a database of tokens.

99. (original) A method according to claim 97, further comprising categorizing the token.

100. (original) A method according to claim 81, further comprising associating an identity with at least one of the first binary representation and the second binary representation.

Claims 101 – 107 cancelled